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FACT SHEET NUMBER 16 REGARDING CLEANUPS UNDERWAY AT BUILDINGS 106 AND
780 NAS JACKSONVILLE FL
8/19/1997
NAS JACKSONVILLE

FactFinder Environmental Update

Fact Sheet #16
August 19, 1997

Cleanups underway at Buildings 106 & 780

Introduction

The Installation Restoration Program is an ongoing Department of Defense program conducted at military bases nationwide to identify and address potential sites of contamination resulting from past waste disposal practices. This fact sheet is one in a series to inform interested citizens of environmental investigations and remedial actions at NAS Jacksonville.

The purpose of NAS Jacksonville's Installation Restoration Program is to identify and clean up sites where contamination or possible contamination could pose a risk to people and/or the environment.

This fact sheet updates the cleanup work at Buildings 106 and 780.

Location

Building 106 is located south of the runways and east of Naval Aviation Depot (NADEP). Building 780 is located in the northwest portion of NADEP. The St. Johns River is to the east.

Site Background

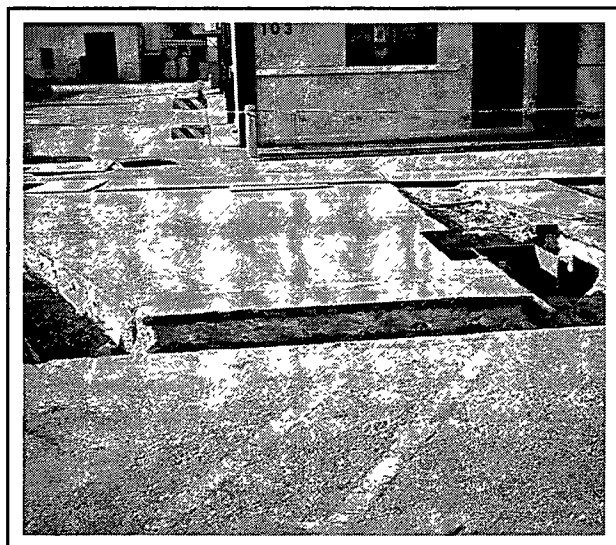
Building 106

The Base Dry Cleaning Shop has oper-

ated since 1962. From that time until 1990, approximately 150 gallons of tetrachloroethene (a solvent commonly used in commercial dry-cleaning) was used per month during dry-cleaning operations. This solvent was stored in an above ground tank inside the building. A modern dry-cleaning machine that stores the solvent in an internal 55-gallon tank was installed in the facility in 1990 and has been used since then.

Building 780

This building was used for aircraft maintenance operations during the 1970's and 1980s. Painted aircraft parts and associated items were chemically stripped and/or



PVC piping is installed as part of cleanup work at Building 106.

degreased with industrial cleaning solvents. The parts were then steam-cleaned prior to refinishing. Paint, grease, and solvents were discharged into floor drains that connected to an industrial sewer. Jet fuel tanks were also stripped outside of the building, and the waste liquids went into a catch basin that emptied into a storm sewer. In 1992, Building 780 was upgraded for "closed-loop" solvent recycling that ended the discharge of liquid waste into sewer systems.

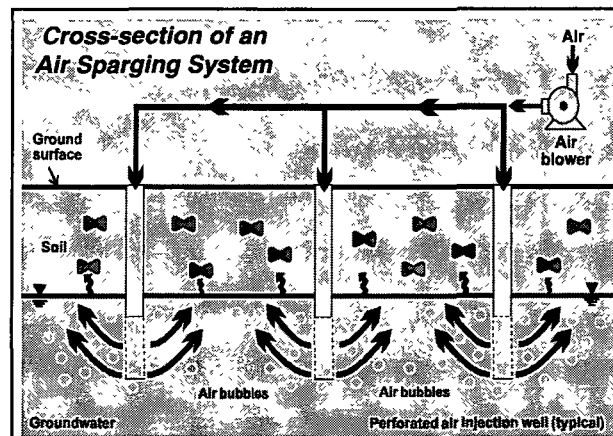
Investigations

Buildings 106 and 780 are two of several sites within Operable Unit (OU) 3. Building 106 is with an area known as PSC 48, Base Dry Cleaners. Building 780 is not a PSC, but was initially investigated in the same manner. Both areas are included in an ongoing Remedial Investigation (RI). While the other sites in OU3 are still being looked at to identify the nature and extent of contamination from past cleanup practices, the contamination at Building 106 and 780 has been identified and both have been targeted for early cleanup -- called Interim Remedial Actions (IRAs).

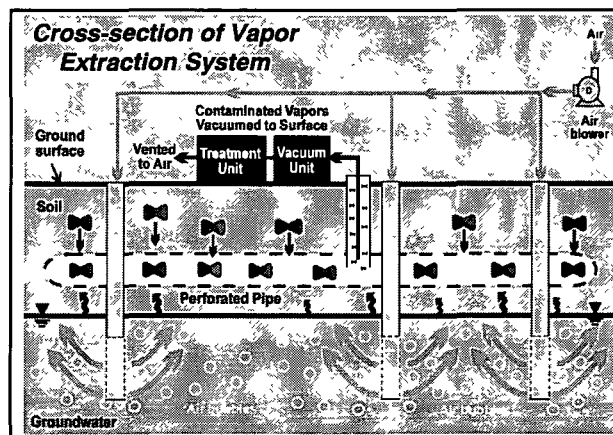
Cleanups

The cleanup technologies used at Building 106 and 780 included air sparging, soil vapor extraction, and groundwater extraction. Figures 2-1 through 2-4 demonstrate how these systems work.

Cleanup technologies for Building 106 Figures 2-1 and 2-2

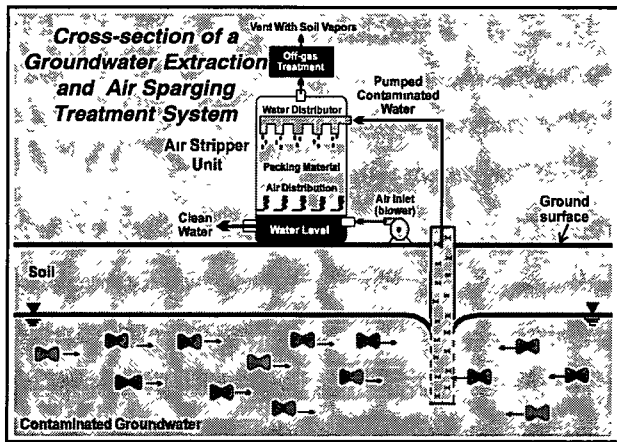


- Air pumped into groundwater
- Bubbles form, carrying contaminants into soil above groundwater

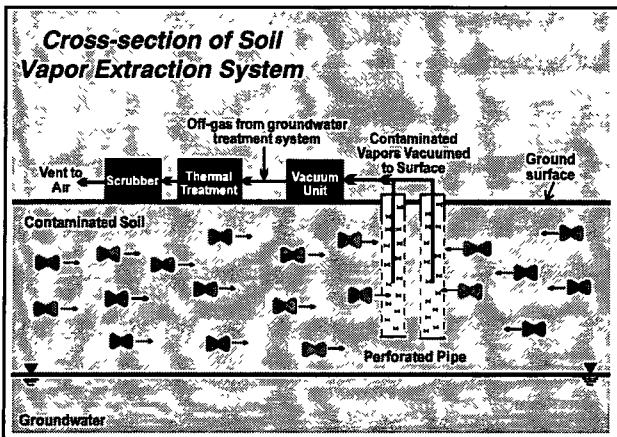


- Horizontal perforated pipe in soil
- Vacuum extracts contaminated vapor from soil
- Vapor routed through treatment unit on surface
- Treatment unit removes contaminants
- Treated vapor vented into the air

***Cleanup technologies for
Building 780
Figures 2-3 and 2-4***



- Contaminated groundwater pumped through a well
- Contaminated groundwater routed to air stripper for treatment
- Treated water to sanitary sewer
- Vapors from air strippper process added to soil vapors for treatment



- Vertical perforated pipe in soil
- Vacuum removes vapors from soil
- Vapors routed to surface for heat treatment and through scrubber for acid gas removal

What's Next

Once the interim cleanups are completed, the work at Buildings 106 and 780 will be included in the Remedial Investigation and Feasibility Study (RI/FS) for OU 3. NAS Jacksonville plans to conduct the RI/FS in 1998.

Available Information

Information on this site, as well as all materials regarding the environmental cleanup at NAS Jacksonville, are available for public review at the Charles D. Webb Wesconnett Branch of the Jacksonville Public Library, 6887 103rd Street.

Library hours are Monday-Wednesday, 10 a.m. to 9 p.m., Thursday-Saturday from 10 a.m. to 6 p.m., and Sunday from 1 to 5 p.m.

Written Comments/Mailing List

If you wish to contact the Navy regarding cleanup activities, or if you would like to be on the Stakeholder's Report newsletter mailing list, please contact:

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